



Powerdynamo brings new ignition & light
to your vintage motorcycle



**LED capable universal electronic flasher unit
6-16V,**

part number

95 19 890 00

Product description:

Electronic flasher unit for classic motorcycles with 6 or 12 volts system **negative ground**. May also be used for bullseye indicators (that is there is only one indicator per side fixed at handlebar end). If consumption of all bulbs or LED on one side is less than 3 Watts (as in some LED flashers) you will have to add Load Equalizers (Resistors). Otherwise this flasher unit offers for lights between 3 and 40 watts per vehicle side a very stable flashing frequency of 85 appearances per minute (German law e.g. demands 90 ± 30). Loads above 40 Watt destroy the part. There is a holding rubber supplied with the part. NOTE: as flashing frequency is stable independent of load, you will not notice failure of a bulb by quicker frequency (as in normal flasher units).

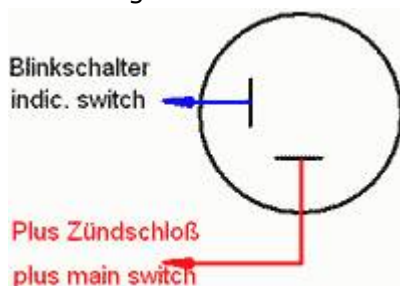
When using LED flasher with this product you may need to add Load Equalizers (Resistors). Also, when using LED in systems with only one control bulb of incandescent bulb type it might happen that both sides flash at the same time (short circuited by the control bulb which might have a load higher than the LED flashers. Please observe the instructions supplied with your LED from the respective manufacturer.

When driving a Powerdynamo system without battery it might be needed to install a smoothing condenser or to use our regulator with inbuild condenser. As long as there is a battery in the system such action is not needed.

Assembly instructions:

If you have no expertise for the installation have it done by an expert or at a specialist's workshop. Improper installation may damage the unit or your motorcycle, possibly even lead to fires and bodily harm.

Disconnect and take off the old flasher unit. If this one had 3 wires running to it, identify the wire which goes to ground. This wire will not be needed, so disable it. Connect the remaining 2 cables as follows:



One pin gets connected to the wire running to the side indicator switch. The other to switched plus (mostly at the main switch).

Should after installation the side indicators not flash, but shine permanently, you have confused both wires. Just revert them and all should be OK.

